

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jahja I. Trisnadi

Serial No.: 09/498,703

Filed: February 7, 2000

For:

METHOD AND APPARATUS FOR

REDUCING LASER SPECKLE USING POLARIZATION

AVERAGING

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

Sir:

Group Art Unit: 2828

Examiner: Armando Rodriguez

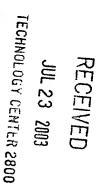
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

United States Patents or Published Patent Applications have been filed electronically (EFS ID #43749); (EFS ID #43750); (EFS ID #43751); (EFS ID #43752); (EFS ID #43753); (EFS ID #43754); (EFS ID #43755); (EFS ID #43756); (EFS ID #43757); (EFS ID #43758); (EFS ID #43759); (EFS ID #43760); (EFS ID #43762); (EFS ID #43763); (EFS ID #43764); and (EFS ID #43765). Applicants have become aware of the following printed publication which may be material to the examination of this application:

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This Supplemental Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that anyone or more of these citations constitutes prior art.

Respectfully submitted,

HAVERSTOCK & OWENS LLP

Dated: 7-16-03

Thomas B. Haverstock

Reg. No.: 32,571

Attorneys for Applicants

CERTIFICATE OF MAILING (37 CFR § 1.8(a))

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U.S. Department of Commerce Patent and Trademark Office Serial No.: 09/498,703 FORM PTO-1449 Attorney Docket No.: SLM-04300 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) Applicant: Jahja I. Trisnadi Group Art Unit: 2828 Filing Date: February 7, 2000 (37 CFR § 1.98(b)) U.S. PATENT DOCUMENTS Serial / Patent Number Examiner Initials Subclass Filing Date Class Issue Date Applicant / Patentee JCS 04/06/93 D14 114 10/23/90 Des. 334,557 Hunter et al. 113 10/03/90 04/13/93 D14 Hunter et al. Des. 334,742 10/03/90 D14 113 Des. 337,320 07/13/93 Hunter et al. 10/31/22 Re. 16,767 10/11/27 Jenkins 06/01/54 ΑE Re. 25,169 05/15/62 Glenn AF AG AΗ ΑI FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS Translation Document Number Subclass **Publication Date** Country / Patent Office Class Yes No DE H 01 L 23/52 Х DE 32 33 195 A1 03/17/83 AJ H 01 L 23/50 Х DE 01/20/94 ΑK DE 43 23 799 A1 DE 197 23 618 · Х G 03 F 1/14 AL 12/11/97 DE A1 DE 197 51 716 a Χ 05/28/98 DE G 02 B 27/14 AM DE 198 46 532 C1 Х DE G 02 B 27/09 AN H 01 L 23/10 Х ΕP 09/21/83 AO 0 089 044 A2 X G09G 3/36 EP AP 0 261 901 A2 03/30/88 X 02/22/89 EP H 01 L 25/065 AO 0 304 263 A2 . X 03/08/89 EP H 04 N 3/14 0 306 308 A2 AR Х H 01 L 25/08 10/25/88 EP AS 0 314 437 A1 5/30 X 07/05/89 EP G 02 B ΑT 0 322 714 A2 G 03B 21/20 X EP 0 417 039 A1 03/13/91 ΑU 3/085 Х EP H01S ΑV 0 423 513 A2 . 04/24/91 5/74 х ΑW 0 436 738 A1 07/17/91 EP H04N 11/06 X 11/27/91 EP G06K AX 0 458 316 A2 -EP G02B 26/08 Х ΑY 0 477 566 A2 04/01/92 G09G 3/28 X ΑZ 0 488 326 A3 -06/03/92 EP ΕP G06F 3/033 X 08/19/92 BA 0 499 566 A2* EP G09G 3/02 Х BB02/24/93 0 528 646 A1 Date Considered: Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form **EXAMINER:**

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FORM PTO-1449 (Modified)

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Applicant: Jahja I. Trisnadi Filing Date: February 7, 2000

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Serial No.: 09/498,703

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)

Applicant: Jahja I. Trisnadi Filing Date: February 7, 2000

Group Art Unit: 2828

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Sheet 4 of 7 FORM PTO-1449 Serial No.: 09/498,703 U.S. Department of Commerce Attorney Docket No.: SLM-04300 (Modified) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT Applicant: Jahja I. Trisnadi (Use Several Sheets If Necessary) Group Art Unit: 2828 Filing Date: February 7, 2000 FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS Translation Document Publication Date Country / Patent Office Class Subclass Number Yes No WO 02/025348 Х G02B 26/02 03/28/02 wo SENT & DT WO 02/31575 A2 04/18/02 WO G02B 27/00 Х WO 02/058111 A2 Х WO H01L DU 07/25/02 WO 02/065184 WO G02B 27/12 X 08/22/02 DV WO 02/073286 DW 09/19/02 wo G02B 26/08 Х Α2 WO 02/084375 Х 26/08 10/24/02 WO G02B DX WO 02/084397 G02B 27/18 X WΩ 10/24/02 DY WO 03/001281 Х 01/03/03 WO G02F 1/01 DZ. WO 03/001716 EΑ 01/03/03 WO H04J 14/02 X WO 03/012523 02/13/03 wo G02B 26/00 Х EB A1 WO 03/016965 WO Х 02/27/03 G02B 5/18 EC Al WO 03/023849 03/20/03 WO H01L 23/02 Х ED WO 03/025628 -03/27/03 WO G02B Х EE A2 OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) R. Apte, "Grating Light Valves for High Resolution Displays", Solid State Sensors and Actuators Workshop, Ph D. Dissertation, Stanford University (June 1994). EF O. Solgaard, "Integrated Semiconductor Light Modulators for Fiber-Optic and Display Applications", Ph.D. Dissertation, Stanford University February, 1992. EG -J. Neff, "Two-Dimensional Spatial Light Modulators: A Tutorial", Proceedings of the IEEE, vol. 78, No. 5 (May 1990), pp. 826-855. EH -R. Gerhard-Multhaupt, "Viscoelastic Spatial Light Modulators and Schlieren-Optical Systems for HDTV Projection Displays" SPIE vol. 1255 Large Screen Projection Displays 11 (1990), pp. 69-78. EI 4 R. Gerhard-Multhaupt, "Light-Valve Technologies for High-Definition Television Projection Displays", Displays vol. 12, No. 3/4 (1991), pp. EJ 115-128. O. Solgaard, F. Sandejas, and D. Bloom, "Deformable Grating Optical Modulator," Optics Letters, Vol. 17, No. 9, May 1, 1992, New York, USA, pp. 688-690. EK F. Sandejas, R. Apte, W. Banyai, and D. Bloom, "Surface Microfabrication of Deformable Grating Valve for High Resolution Displays," The 7th International Conference on Solid-State Sensors and Actuators. EL EM -P. Alvelda, "High-Efficiency Color Microdisplays," SID 95 Digest, pages 307-311, 1995. Worboys et al., "Miniature Display Technology for Integrated Helmut Systems," GEC Journal of Research, Vol. 10, No. 2, pages 111-118, Chelmsford, Essex, GB 1993. EN -

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U.S. Department Patent and Trademark

Attorney Docket No.: SLM-04300

Applicant: Jahja I. Trisnadi

Serial No.: Serial No.: 09/498,703

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